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### NOTICE OF ALLOWANCE AND FEE(S) DUE

26161

7590

04/24/2009

FISH & RICHARDSON PC P.O. BOX 1022 MINNEAPOLIS, MN 55440-1022 EXAMINER

KAYES, SEAN PHILLIP

ART UNIT PAPER NUMBER

2833

DATE MAILED: 04/24/2009

APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/565.249	06/27/2006	Pedro Stange	02894-742US1	9162	

TITLE OF INVENTION: METHOD FOR DISPLAYING TIME-DEPENDENT PROCESSES AND TOOTHBRUSH

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	07/24/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

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If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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#### Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

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CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)					Note: A certificate of mailing can only be used for domestic mailings of Fee(s) Transmittal. This certificate cannot be used for any other accompa papers. Each additional paper, such as an assignment or formal drawing, have its own certificate of mailing or transmission.				
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APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.	
10/565,249 TITLE OF INVENTION	06/27/2006 I: METHOD FOR DISPI	LAYING TIME-DEPENI	Pedro Stange DENT PROCESSES A	AND	TOOTHBRUSH	(	)2894-742US1	9162	
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KAYES, SE	AN PHILLIP	2833	368-010000		l.				
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5. Change in Entity Sta							·	n extra copy of this form).	
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MINNEAPOLIS, I	MN 55440-1022	2833			
		DATE MAILED: 04/24/2009			

## Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
	10/565,249	STANGE ET AL.	
Notice of Allowability	Examiner	Art Unit	
	SEAN KAVES	2022	
	SEAN KAYES	2833	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT F of the Office or upon petition by the applicant. See 37 CFR 1.31	S (OR REMAINS) CLOSED i) or other appropriate comm RIGHTS. This application is	in this application. If not included nunication will be mailed in due course	
1. This communication is responsive to <u>3/27/2009</u> .			
2. X The allowed claim(s) is/are 21-25,27-31 and 33-46.			
<ul> <li>3.  Acknowledgment is made of a claim for foreign priority unally all blue blue blue blue blue blue blue bl</li></ul>		) or (f).	
2. ☐ Certified copies of the priority documents hav		tion No	
3. ☐ Copies of the certified copies of the priority do	• • • • • • • • • • • • • • • • • • • •	<u></u>	om the
International Bureau (PCT Rule 17.2(a)).		- · · · · · · · · · · · · · · · · · · ·	
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONI THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		le a reply complying with the requirem	ents
4. A SUBSTITUTE OATH OR DECLARATION must be subminformal PATENT APPLICATION (PTO-152) which give			E OF
5. CORRECTED DRAWINGS ( as "replacement sheets") mu	ıst be submitted.		
(a) ☐ including changes required by the Notice of Draftsper	rson's Patent Drawing Revi	ew ( PTO-948) attached	
1) ☐ hereto or 2) ☐ to Paper No./Mail Date	_•		
<ul><li>(b) ☐ including changes required by the attached Examiner Paper No./Mail Date</li></ul>	's Amendment / Comment	or in the Office action of	
Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in			of
<ol> <li>DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT</li> </ol>			ne
Attachment(s)	5 Notice of	Informal Datant Application	
<ol> <li>Notice of References Cited (PTO-892)</li> <li>D Notice of Draftperson's Patent Drawing Review (PTO-948)</li> </ol>		Informal Patent Application Summary (PTO-413),	
<ol> <li>Information Disclosure Statements (PTO/SB/08),</li> </ol>	Paper No	o./Mail Date 's Amendment/Comment	
Paper No./Mail Date			
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material		's Statement of Reasons for Allowance	e
A ((A) A (A)	9.	<u></u> ·	
/Vit W. Miska/			
Primary Examiner, Art Unit 2833			

#### **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendments were given in telephone interviews with Timothy Brian on 4/15/2009 and 4/17/2009.

The application has been amended as follows:

Claim 41: Change "claim 1" to "claim 21".

Claim 42: Change "claim 1" to "claim 21".

Claim 43: Change "claim 1" to "claim 21".

Claim 30:

Change

"wherein the indicator strip is configured to diffuse the from the first portion toward the second portion and subsequently form a line of demarcation along the display surface."

To

"wherein the indicator strip is configured to migrate the liquid along a length of the display surface from the first portion to the second portion, causing the dye to dissolve in the liquid; and then diffusing the dye along the length of the display surface from the second portion toward the first portion."

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Claim 40:

Change

"wherein the indicator strip is configured to diffuse the from the first portion toward the second portion and subsequently form a line of demarcation along the display surface to

То

indicate elapsed time."

"wherein the indicator strip is configured to migrate the liquid along a length of the display surface from the first portion to the second portion, causing the dye to dissolve in the liquid; and then diffusing the dye along the length of the display surface from the second portion toward the first portion."

# Allowable Subject Matter

The following is an examiner's statement of reasons for allowance:

The prior art does not disclose or suggest the claimed "diffusing the dyes along the length of the display surface from the second portion toward the first portion" in combination with the remaining claim elements as set forth in claim 21.

The prior art does not disclose or suggest the claimed "a second portion opposite the first portion, the second portion having a dye pre- applied thereto, and a display

surface extending between the first and second portion" in combination with the remaining claim elements as set forth in claims 30 and 40.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to SEAN KAYES whose telephone number is (571) 272-8931. The examiner can normally be reached on 11:00am to 9:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Renee Luebke can be reached on (571) 272-2009. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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/Vit W. Miska/ Primary Examiner, Art Unit 2833

SK 4/15/2009